

SEQUENCE LISTING

<110> Sheppard, Paul O.
Jelinek, Laura J.

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Leu	Ala	Cys	Tyr	Ser	Cys	Tyr	Ser	Pro	Arg	Gly	Leu	Tyr	Thr	Arg	Pro
		195						200				205			
Leu	Tyr	Ser	Ala	Arg	Gly	Thr	His	Arg	Ser	Glu	Arg	Gly	Leu	Tyr	Leu
	210					215						220			
Glu	Pro	Arg	Gly	Leu	Tyr	Ala	Leu	Ala	Cys	Tyr	Ser	Gly	Leu	Tyr	Ala
225					230					235					240
Leu	Ala	Ala	Leu	Ala	Ile	Leu	Glu	Cys	Tyr	Ser	Gly	Leu	Asn	Pro	Arg
				245					250					255	
Pro	Arg	Cys	Tyr	Ser	Ala	Arg	Gly	Ala	Ser	Asn	Gly	Leu	Tyr	Gly	Leu
			260					265					270		
Tyr	Ser	Glu	Arg	Cys	Tyr	Ser	Val	Ala	Leu	Gly	Leu	Asn	Pro	Arg	Gly
		275					280					285			
Leu	Tyr	Ala	Arg	Gly	Cys	Tyr	Ser	Ala	Arg	Gly	Cys	Tyr	Ser	Pro	Arg
	290					295					300				
Ala	Leu	Ala	Gly	Leu	Tyr	Thr	Arg	Pro	Ala	Arg	Gly	Gly	Leu	Tyr	Ala
305					310					315					320
Ser	Pro	Thr	His	Arg	Cys	Tyr	Ser	Gly	Leu	Asn	Ser	Glu	Arg	Ala	Ser
				325					330					335	
Pro	Val	Ala	Leu	Ala	Ser	Pro	Gly	Leu	Cys	Tyr	Ser	Ser	Glu	Arg	Ala
			340					345						350	

Leu Ala Ala Arg Gly Ala Arg Gly Gly Leu Tyr Gly Leu Tyr Cys Tyr
 355 360 365
 Ser Pro Arg Gly Leu Asn Ala Arg Gly Cys Tyr Ser Val Ala Leu Ala
 370 375 380
 Ser Asn Thr His Arg Ala Leu Ala Gly Leu Tyr Ser Glu Arg Thr Tyr
 385 390 395 400
 Arg Thr Arg Pro Cys Tyr Ser Gly Leu Asn Cys Tyr Ser Thr Arg Pro
 405 410 415
 Gly Leu Gly Leu Tyr His Ile Ser Ser Glu Arg Leu Glu Ser Glu Arg
 420 425 430
 Ala Leu Ala Ala Ser Pro Gly Leu Tyr Thr His Arg Leu Glu Cys Tyr
 435 440 445
 Ser Val Ala Leu Pro Arg Leu Tyr Ser Gly Leu Tyr Gly Leu Tyr Pro
 450 455 460
 Arg Pro Arg Ala Arg Gly Val Ala Leu Ala Leu Ala Pro Arg Ala Ser
 465 470 475 480
 Asn Pro Arg Thr His Arg Gly Leu Tyr Val Ala Leu Ala Ser Pro Ser
 485 490 495
 Glu Arg Ala Leu Ala Met Glu Thr Leu Tyr Ser Gly Leu Gly Leu Val
 500 505 510
 Ala Leu Gly Leu Asn Ala Arg Gly Leu Glu Gly Leu Asn Ser Glu Arg
 515 520 525
 Ala Arg Gly Val Ala Leu Ala Ser Pro Leu Glu Leu Glu Gly Leu Gly
 530 535 540
 Leu Leu Tyr Ser Leu Glu Gly Leu Asn Leu Glu Val Ala Leu Leu Glu
 545 550 555 560
 Ala Leu Ala Pro Arg Leu Glu His Ile Ser Ser Glu Arg Leu Glu Ala
 565 570 575
 Leu Ala Ser Glu Arg Gly Leu Asn Ala Leu Ala Leu Glu Gly Leu His
 580 585 590
 Ile Ser Gly Leu Tyr Leu Glu Pro Arg Ala Ser Pro Pro Arg Gly Leu
 595 600 605
 Tyr Ser Glu Arg Leu Glu Leu Glu Val Ala Leu His Ile Ser Ser Glu
 610 615 620
 Arg Pro His Glu Gly Leu Asn Gly Leu Asn Leu Glu Gly Leu Tyr Ala
 625 630 635 640
 Arg Gly Ile Leu Glu Ala Ser Pro Ser Glu Arg Leu Glu Ser Glu Arg
 645 650 655
 Gly Leu Gly Leu Asn Ile Leu Glu Ser Glu Arg Pro His Glu Leu Glu
 660 665 670


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<210> 9
<211> 31
<212> PRT
<213> Homo sapiens
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<210> 10
<211> 42
<212> PRT
<213> Homo sapiens
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<210> 11
<211> 256
<212> PRT
<213> Homo sapiens
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<400> 11
Pro Arg Leu Tyr Ser Gly Leu Tyr Gly Leu Tyr Pro Arg Pro Arg Ala
1 5 10 15
Arg Gly Val Ala Leu Ala Leu Ala Pro Arg Ala Ser Asn Pro Arg Thr
20 25 30

His Arg Gly Leu Tyr Val Ala Leu Ala Ser Pro Ser Glu Arg Ala Leu
 35 40 45
 Ala Met Glu Thr Leu Tyr Ser Gly Leu Gly Leu Val Ala Leu Gly Leu
 50 55 60
 Asn Ala Arg Gly Leu Glu Gly Leu Asn Ser Glu Arg Ala Arg Gly Val
 65 70 75 80
 Ala Leu Ala Ser Pro Leu Glu Leu Glu Gly Leu Gly Leu Tyr Ser
 85 90 95
 Leu Glu Gly Leu Asn Leu Glu Val Ala Leu Leu Glu Ala Leu Ala Pro
 100 105 110
 Arg Leu Glu His Ile Ser Ser Glu Arg Leu Glu Ala Leu Ala Ser Glu
 115 120 125
 Arg Gly Leu Asn Ala Leu Ala Leu Glu Gly Leu His Ile Ser Gly Leu
 130 135 140
 Tyr Leu Glu Pro Arg Ala Ser Pro Pro Arg Gly Leu Tyr Ser Glu Arg
 145 150 155 160
 Leu Glu Leu Glu Val Ala Leu His Ile Ser Ser Glu Arg Pro His Glu
 165 170 175
 Gly Leu Asn Gly Leu Asn Leu Glu Gly Leu Tyr Ala Arg Gly Ile Leu
 180 185 190
 Glu Ala Ser Pro Ser Glu Arg Leu Glu Ser Glu Arg Gly Leu Gly Leu
 195 200 205
 Asn Ile Leu Glu Ser Glu Arg Pro His Glu Leu Glu Gly Leu Gly Leu
 210 215 220
 Gly Leu Asn Leu Glu Gly Leu Tyr Ser Glu Arg Cys Tyr Ser Ser Glu
 225 230 235 240
 Arg Cys Tyr Ser Leu Tyr Ser Leu Tyr Ser Ala Ser Pro Ser Glu Arg
 245 250 255

<210> 12

<211> 331

<212> PRT

<213> Homo sapiens

<400> 12

Thr His Arg Gly Leu His Ile Ser Ala Leu Ala Thr Tyr Arg Ala Arg
 1 5 10 15
 Gly Pro Arg Gly Leu Tyr Ala Arg Gly Ala Arg Gly Val Ala Leu Cys
 20 25 30
 Tyr Ser Ala Leu Ala Val Ala Leu Ala Arg Gly Ala Leu Ala His Ile
 35 40 45

Ser Gly Leu Tyr Ala Ser Pro Pro Arg Val Ala Leu Ser Glu Arg Gly
 50 55 60
 Leu Ser Glu Arg Pro His Glu Val Ala Leu Gly Leu Asn Ala Arg Gly
 65 70 75 80
 Val Ala Leu Thr Tyr Arg Gly Leu Asn Pro Arg Pro His Glu Leu Glu
 85 90 95
 Thr His Arg Thr His Arg Cys Tyr Ser Ala Ser Pro Gly Leu Tyr His
 100 105 110
 Ile Ser Ala Arg Gly Ala Leu Ala Cys Tyr Ser Ser Glu Arg Thr His
 115 120 125
 Arg Thr Tyr Arg Ala Arg Gly Thr His Arg Ile Leu Glu Thr Tyr Arg
 130 135 140
 Ala Arg Gly Thr His Arg Ala Leu Ala Thr Tyr Arg Ala Arg Gly Ala
 145 150 155 160
 Arg Gly Ser Glu Arg Pro Arg Gly Leu Tyr Leu Glu Ala Leu Ala Pro
 165 170 175
 Arg Ala Leu Ala Ala Arg Gly Pro Arg Ala Arg Gly Thr Tyr Arg Ala
 180 185 190
 Leu Ala Cys Tyr Ser Cys Tyr Ser Pro Arg Gly Leu Tyr Thr Arg Pro
 195 200 205
 Leu Tyr Ser Ala Arg Gly Thr His Arg Ser Glu Arg Gly Leu Tyr Leu
 210 215 220
 Glu Pro Arg Gly Leu Tyr Ala Leu Ala Cys Tyr Ser Gly Leu Tyr Ala
 225 230 235 240
 Leu Ala Ala Leu Ala Ile Leu Glu Cys Tyr Ser Gly Leu Asn Pro Arg
 245 250 255
 Pro Arg Cys Tyr Ser Ala Arg Gly Ala Ser Asn Gly Leu Tyr Gly Leu
 260 265 270
 Tyr Ser Glu Arg Cys Tyr Ser Val Ala Leu Gly Leu Asn Pro Arg Gly
 275 280 285
 Leu Tyr Ala Arg Gly Cys Tyr Ser Ala Arg Gly Cys Tyr Ser Pro Arg
 290 295 300
 Ala Leu Ala Gly Leu Tyr Thr Arg Pro Ala Arg Gly Gly Leu Tyr Ala
 305 310 315 320
 Ser Pro Thr His Arg Cys Tyr Ser Gly Leu Asn
 325 330

<210> 13

<211> 158

<212> PRT

<213> Homo sapiens

<400> 13

Thr Glu His Ala Tyr Arg Pro Gly Arg Arg Val Cys Ala Val Arg Ala
 1 5 10 15
 His Gly Asp Pro Val Ser Glu Ser Phe Val Gln Arg Val Tyr Gln Pro
 20 25 30
 Phe Leu Thr Thr Cys Asp Gly His Arg Ala Cys Ser Thr Tyr Arg Thr
 35 40 45
 Ile Tyr Arg Thr Ala Tyr Arg Arg Ser Pro Gly Leu Ala Pro Ala Arg
 50 55 60
 Pro Arg Tyr Ala Cys Cys Pro Gly Trp Lys Arg Thr Ser Gly Leu Pro
 65 70 75 80
 Gly Ala Cys Gly Ala Ala Ile Cys Gln Pro Pro Cys Arg Asn Gly Gly
 85 90 95
 Ser Cys Val Gln Pro Gly Arg Cys Arg Cys Pro Ala Gly Trp Arg Gly
 100 105 110
 Asp Thr Cys Gln Ser Asp Val Asp Glu Cys Ser Ala Arg Arg Gly Gly
 115 120 125
 Cys Pro Gln Arg Cys Val Asn Thr Ala Gly Ser Tyr Trp Cys Gln Cys
 130 135 140
 Trp Glu Gly His Ser Leu Ser Ala Asp Gly Thr Leu Cys Val
 145 150 155

<210> 14

<211> 73

<212> PRT

<213> Homo sapiens

<400> 14

Ala Ile Cys Gln Pro Pro Cys Arg Asn Gly Gly Ser Cys Val Gln Pro
 1 5 10 15
 Gly Arg Cys Arg Cys Pro Ala Gly Trp Arg Gly Asp Thr Cys Gln Ser
 20 25 30
 Asp Val Asp Glu Cys Ser Ala Arg Arg Gly Gly Cys Pro Gln Arg Cys
 35 40 45
 Val Asn Thr Ala Gly Ser Tyr Trp Cys Gln Cys Trp Glu Gly His Ser
 50 55 60
 Leu Ser Ala Asp Gly Thr Leu Cys Val
 65 70

<210> 15

<211> 169

<212> PRT

<213> Homo sapiens

<400> 15

Ala	Ile	Cys	Gln	Pro	Pro	Cys	Arg	Asn	Gly	Gly	Ser	Cys	Val	Gln	Pro
1				5					10					15	
Gly	Arg	Cys	Arg	Cys	Pro	Ala	Gly	Trp	Arg	Gly	Asp	Thr	Cys	Gln	Ser
			20					25					30		
Asp	Val	Asp	Glu	Cys	Ser	Ala	Arg	Arg	Gly	Gly	Cys	Pro	Gln	Arg	Cys
		35					40				45				
Val	Asn	Thr	Ala	Gly	Ser	Tyr	Trp	Cys	Gln	Cys	Trp	Glu	Gly	His	Ser
	50					55				60					
Leu	Ser	Ala	Asp	Gly	Thr	Leu	Cys	Val	Pro	Lys	Gly	Gly	Pro	Pro	Arg
65					70				75					80	
Val	Ala	Pro	Asn	Pro	Thr	Gly	Val	Asp	Ser	Ala	Met	Lys	Glu	Glu	Val
			85					90					95		
Gln	Arg	Leu	Gln	Ser	Arg	Val	Asp	Leu	Leu	Glu	Glu	Lys	Leu	Gln	Leu
		100						105					110		
Val	Leu	Ala	Pro	Leu	His	Ser	Leu	Ala	Ser	Gln	Ala	Leu	Glu	His	Gly
	115						120					125			
Leu	Pro	Asp	Pro	Gly	Ser	Leu	Leu	Val	His	Ser	Phe	Gln	Gln	Leu	Gly
	130					135					140				
Arg	Ile	Asp	Ser	Leu	Ser	Glu	Gln	Ile	Ser	Phe	Leu	Glu	Glu	Gln	Leu
145					150					155					160
Gly	Ser	Cys	Ser	Cys	Lys	Lys	Asp	Ser							
				165											

<210> 16

<211> 181

<212> PRT

<213> Homo sapiens

<400> 16

Thr	Glu	His	Ala	Tyr	Arg	Pro	Gly	Arg	Arg	Val	Cys	Ala	Val	Arg	Ala
1				5					10					15	
His	Gly	Asp	Pro	Val	Ser	Glu	Ser	Phe	Val	Gln	Arg	Val	Tyr	Gln	Pro
			20					25					30		
Phe	Leu	Thr	Thr	Cys	Asp	Gly	His	Arg	Ala	Cys	Ser	Thr	Tyr	Arg	Thr
		35					40					45			
Ile	Tyr	Arg	Thr	Ala	Tyr	Arg	Arg	Ser	Pro	Gly	Leu	Ala	Pro	Ala	Arg
	50					55					60				

Pro Arg Tyr Ala Cys Cys Pro Gly Trp Lys Arg Thr Ser Gly Leu Pro
 65 70 75 80
 Gly Ala Cys Gly Ala Pro Lys Gly Gly Pro Pro Arg Val Ala Pro Asn
 85 90 95
 Pro Thr Gly Val Asp Ser Ala Met Lys Glu Glu Val Gln Arg Leu Gln
 100 105 110
 Ser Arg Val Asp Leu Leu Glu Glu Lys Leu Gln Leu Val Leu Ala Pro
 115 120 125
 Leu His Ser Leu Ala Ser Gln Ala Leu Glu His Gly Leu Pro Asp Pro
 130 135 140
 Gly Ser Leu Leu Val His Ser Phe Gln Gln Leu Gly Arg Ile Asp Ser
 145 150 155 160
 Leu Ser Glu Gln Ile Ser Phe Leu Glu Glu Gln Leu Gly Ser Cys Ser
 165 170 175
 Cys Lys Lys Asp Ser
 180

<210> 17
 <211> 293
 <212> PRT
 <213> Homo sapiens

<400> 17
 Met Gly Ser Arg Ala Glu Leu Cys Thr Leu Leu Gly Gly Phe Ser Phe
 1 5 10 15
 Leu Leu Leu Leu Ile Pro Gly Glu Gly Ala Lys Gly Gly Ser Leu Arg
 20 25 30
 Glu Ser Gln Gly Val Cys Ser Lys Gln Thr Leu Val Val Pro Leu His
 35 40 45
 Tyr Asn Glu Ser Tyr Ser Gln Pro Val Tyr Lys Pro Tyr Leu Thr Leu
 50 55 60
 Cys Ala Gly Arg Arg Ile Cys Ser Thr Tyr Arg Thr Met Tyr Arg Val
 65 70 75 80
 Met Trp Arg Glu Val Arg Arg Glu Val Gln Gln Thr His Ala Val Cys
 85 90 95
 Cys Gln Gly Trp Lys Lys Arg His Pro Gly Ala Leu Thr Cys Glu Ala
 100 105 110
 Ile Cys Ala Lys Pro Cys Leu Asn Gly Gly Val Cys Val Arg Pro Asp
 115 120 125
 Gln Cys Glu Cys Ala Pro Gly Trp Gly Gly Lys His Cys His Val Asp
 130 135 140

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<210> 18
<211> 1339
<212> DNA
<213> Mus musculus

<220>
<221> CDS
<222> (261)...(1094)
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<400> 18
gtagggctct gccgggacct ggggtcttccc tctcctggag ctgcagaggc cagaagttca 60
gtggtgaggg gtccaaggag agtccgggga gaccagggag gctctgtcca tccctgtcc 120
ctgtccctgt ggaagcccc cggcagcagc aagacgctgg ctgttccacc tgcccacaag 180
aacagccacc accagtacc aggggatgac aagcgcccg accacaggcc aaaaaagaa 240
gaaggctacc ccacttacag atg cag acc atg tgg ggc tcc gga gaa ctg ctt 293
Met Gln Thr Met Trp Gly Ser Gly Glu Leu Leu
1 5 10

gta gca tgg ttt cta gtg ttg gca gca gat ggt act act gag cat gtc	341
Val Ala Trp Phe Leu Val Leu Ala Ala Asp Gly Thr Thr Glu His Val	
15 20 25	
tac aga ccc agc cgt aga gtg tgt act gtg ggg att tcc gga ggt tcc	389
Tyr Arg Pro Ser Arg Arg Val Cys Thr Val Gly Ile Ser Gly Gly Ser	
30 35 40	
atc tcg gag acc ttt gtg cag cgt gta tac cag cct tac ctc acc act	437
Ile Ser Glu Thr Phe Val Gln Arg Val Tyr Gln Pro Tyr Leu Thr Thr	
45 50 55	
tgc gac gga cac aga gcc tgc agc acc tac cga acc atc tac cgg act	485
Cys Asp Gly His Arg Ala Cys Ser Thr Tyr Arg Thr Ile Tyr Arg Thr	
60 65 70 75	
gcc tat cgc cgt agc cct ggg gtg act ccc gca agg cct cgc tat gct	533
Ala Tyr Arg Arg Ser Pro Gly Val Thr Pro Ala Arg Pro Arg Tyr Ala	
80 85 90	
tgc tgc cct ggt tgg aag agg acc agt ggg ctc cct ggg gct tgt gga	581
Cys Cys Pro Gly Trp Lys Arg Thr Ser Gly Leu Pro Gly Ala Cys Gly	
95 100 105	
gca gca ata tgc cag cct cca tgt ggg aat gga ggg agt tgc atc cgc	629
Ala Ala Ile Cys Gln Pro Pro Cys Gly Asn Gly Gly Ser Cys Ile Arg	
110 115 120	
cca gga cac tgc cgc tgc cct gtg gga tgg cag gga gat act tgc cag	677
Pro Gly His Cys Arg Cys Pro Val Gly Trp Gln Gly Asp Thr Cys Gln	
125 130 135	
aca gat gtt gat gaa tgc agt aca gga gag gcc agt tgt ccc cag cgc	725
Thr Asp Val Asp Glu Cys Ser Thr Gly Glu Ala Ser Cys Pro Gln Arg	
140 145 150 155	
tgt gtc aat act gtg gga agt tac tgg tgc cag gga tgg gag gga caa	773
Cys Val Asn Thr Val Gly Ser Tyr Trp Cys Gln Gly Trp Glu Gly Gln	
160 165 170	

agc cca tct gca gat ggg acg cgc tgc ctg tct aag gag ggg ccc tcc 821
 Ser Pro Ser Ala Asp Gly Thr Arg Cys Leu Ser Lys Glu Gly Pro Ser
 175 180 185

ccg gtg gcc cca aac ccc aca gca gga gtg gac agc atg gcg aga gag 869
 Pro Val Ala Pro Asn Pro Thr Ala Gly Val Asp Ser Met Ala Arg Glu
 190 195 200

gag gtg tac agg ctg cag gct cgg gtt gat gtg cta gaa cag aaa ctg 917
 Glu Val Tyr Arg Leu Gln Ala Arg Val Asp Val Leu Glu Gln Lys Leu
 205 210 215

cag ttg gtg ctg gcc cca ctg cac agc ctg gcc tct cgg tcc aca gag 965
 Gln Leu Val Leu Ala Pro Leu His Ser Leu Ala Ser Arg Ser Thr Glu
 220 225 230 235

cat ggg cta caa gat cct ggc agc ctg ctg gcc cat tcc ttc cag cag 1013
 His Gly Leu Gln Asp Pro Gly Ser Leu Leu Ala His Ser Phe Gln Gln
 240 245 250

ctg gac cga att gat tca ctg agt gag cag gtg tcc ttc ttg gag gaa 1061
 Leu Asp Arg Ile Asp Ser Leu Ser Glu Gln Val Ser Phe Leu Glu Glu
 255 260 265

cat ctg ggg tcc tgc tcc tgc aaa aaa gat ctg tgataacctc tcaccacca 1114
 His Leu Gly Ser Cys Ser Cys Lys Lys Asp Leu
 270 275

ggctggatag agcagtcatt cctagatccc ttgtagccag agttcaggcg ctgtctggtg 1174
 gtgcctatga gcagaaggcc ctgcctcatt gtccctcttt cttaggaggt tcctaggact 1234
 tgggcatggg gagtggggtc ttgtgtgact cttcagtggg gctccctgtc taagtggtaa 1294
 ggtggggatt gtctccatct ttgtcataat aaagctgaga cttga 1339

<210> 19

<211> 278

<212> PRT

<213> Mus musculus

<400> 19

Met Gln Thr Met Trp Gly Ser Gly Glu Leu Leu Val Ala Trp Phe Leu
 1 5 10 15

Val Leu Ala Ala Asp Gly Thr Thr Glu His Val Tyr Arg Pro Ser Arg
 20 25 30
 Arg Val Cys Thr Val Gly Ile Ser Gly Gly Ser Ile Ser Glu Thr Phe
 35 40 45
 Val Gln Arg Val Tyr Gln Pro Tyr Leu Thr Thr Cys Asp Gly His Arg
 50 55 60
 Ala Cys Ser Thr Tyr Arg Thr Ile Tyr Arg Thr Ala Tyr Arg Arg Ser
 65 70 75 80
 Pro Gly Val Thr Pro Ala Arg Pro Arg Tyr Ala Cys Cys Pro Gly Trp
 85 90 95
 Lys Arg Thr Ser Gly Leu Pro Gly Ala Cys Gly Ala Ala Ile Cys Gln
 100 105 110
 Pro Pro Cys Gly Asn Gly Gly Ser Cys Ile Arg Pro Gly His Cys Arg
 115 120 125
 Cys Pro Val Gly Trp Gln Gly Asp Thr Cys Gln Thr Asp Val Asp Glu
 130 135 140
 Cys Ser Thr Gly Glu Ala Ser Cys Pro Gln Arg Cys Val Asn Thr Val
 145 150 155 160
 Gly Ser Tyr Trp Cys Gln Gly Trp Glu Gly Gln Ser Pro Ser Ala Asp
 165 170 175
 Gly Thr Arg Cys Leu Ser Lys Glu Gly Pro Ser Pro Val Ala Pro Asn
 180 185 190
 Pro Thr Ala Gly Val Asp Ser Met Ala Arg Glu Glu Val Tyr Arg Leu
 195 200 205
 Gln Ala Arg Val Asp Val Leu Glu Gln Lys Leu Gln Leu Val Leu Ala
 210 215 220
 Pro Leu His Ser Leu Ala Ser Arg Ser Thr Glu His Gly Leu Gln Asp
 225 230 235 240
 Pro Gly Ser Leu Leu Ala His Ser Phe Gln Gln Leu Asp Arg Ile Asp
 245 250 255
 Ser Leu Ser Glu Gln Val Ser Phe Leu Glu Glu His Leu Gly Ser Cys
 260 265 270
 Ser Cys Lys Lys Asp Leu
 275

<210> 20

<211> 29

<212> PRT

<213> Mus musculus

Thr Cys Asp Gly His Arg Ala Cys Ser Thr Tyr Arg Thr Ile Tyr Arg
 1 5 10 15
 Thr Ala Tyr Arg Arg Ser Pro Gly Leu Ala Pro Ala Arg
 20 25

<213> Mus musculus

Gln Pro Gly Arg Cys Arg Cys Pro Ala Gly Trp Arg Gly Asp Thr Cys
 1 5 10 15
 Gln Ser Asp Val Asp Glu Cys Ser Ala Arg Arg Gly Gly Cys Pro Gln
 20 25 30

<213> Mus musculus

<400> ZZ
Cys Val Pro Lys Gly Gly Pro Pro Arg Val Ala Pro Asn Pro Thr Gly
1 5 10 15
Val Asp Ser Ala Met Lys Glu Glu Val Gln Arg Leu Gln Ser Arg Val
20 25 30
Asp Leu Leu Glu Glu
35

<213> Mus musculus

Gln Gln Leu Gly Arg Ile Asp Ser Leu Ser Glu Gln Ile Ser Phe Leu
 1 5 10 15
 Glu Glu Gln Leu Gly Ser Cys Ser Cys Lys Lys Asp Ser
 20 25

<400> 24

Thr	Glu	His	Val	Tyr	Arg	Pro	Ser	Arg	Arg	Val	Cys	Thr	Val	Gly	Ile
1				5				10						15	
Ser	Gly	Gly	Ser	Ile	Ser	Glu	Thr	Phe	Val	Gln	Arg	Val	Tyr	Gln	Pro
			20					25					30		
Tyr	Leu	Thr	Thr	Cys	Asp	Gly	His	Arg	Ala	Cys	Ser	Thr	Tyr	Arg	Thr
		35					40					45			
Ile	Tyr	Arg	Thr	Ala	Tyr	Arg	Arg	Ser	Pro	Gly	Val	Thr	Pro	Ala	Arg
	50					55					60				
Pro	Arg	Tyr	Ala	Cys	Cys	Pro	Gly	Trp	Lys	Arg	Thr	Ser	Gly	Leu	Pro
65					70					75					80
Gly	Ala	Cys	Gly	Ala	Ala	Ile	Cys	Gln	Pro	Pro	Cys	Gly	Asn	Gly	Gly
				85					90					95	
Ser	Cys	Ile	Arg	Pro	Gly	His	Cys	Arg	Cys	Pro	Val	Gly	Trp	Gln	Gly
			100					105					110		
Asp	Thr	Cys	Gln	Thr	Asp	Val	Asp	Glu	Cys	Ser	Thr	Gly	Glu	Ala	Ser
		115					120					125			
Cys	Pro	Gln	Arg	Cys	Val	Asn	Thr	Val	Gly	Ser	Tyr	Trp	Cys	Gln	Gly
	130					135					140				
Trp	Glu	Gly	Gln	Ser	Pro	Ser	Ala	Asp	Gly	Thr	Arg	Cys	Leu	Ser	Lys
145					150					155					160
Glu	Gly	Pro	Ser	Pro	Val	Ala	Pro	Asn	Pro	Thr	Ala	Gly	Val	Asp	Ser
				165					170					175	
Met	Ala	Arg	Glu	Glu	Val	Tyr	Arg	Leu	Gln	Ala	Arg	Val	Asp	Val	Leu
			180					185					190		
Glu	Gln	Lys	Leu	Gln	Leu	Val	Leu	Ala	Pro	Leu	His	Ser	Leu	Ala	Ser
		195					200					205			
Arg	Ser	Thr	Glu	His	Gly	Leu	Gln	Asp	Pro	Gly	Ser	Leu	Leu	Ala	His
	210					215					220				
Ser	Phe	Gln	Gln	Leu	Asp	Arg	Ile	Asp	Ser	Leu	Ser	Glu	Gln	Val	Ser
225					230					235					240
Phe	Leu	Glu	Glu	His	Leu	Gly	Ser	Cys	Ser	Cys	Lys	Lys	Asp	Leu	
				245					250					255	